

SAF-RC-006
100-N Ancillary Facilities & 190-DR
Other Solid Sampling for ERDF Waste
Designation
FINAL DATA PACKAGE

COMPLETE COPY OF DATA PACKAGE TO:

Dave Encke X5-50

KW 8/27/2007
INITIAL/DATE

Amy Hood X5-50

KW 8/27/2007
INITIAL/DATE

Tom Edmundson X5-50

KW 8/27/2007
INITIAL/DATE

COMMENTS:

SDG 07-A-4709

SAF-RC-006

Rad only

X Chem only

Rad & Chem

X Complete

Partial

Waste Site(s): MO-950 Potential Asbestos

RECEIVED
SEP 04 2007
EDMC



8/23/07
Page 1 of 2

SUBMITTED TO:


Joan Kessner
Washington Closure Hanford
2620 Fermi Avenue, MSIN H4-21
Richland, WA 99354

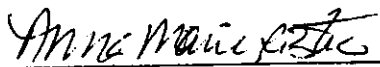


REFERENCE DATA:

Client Sample No.:	J15HK0 through J15HK3
P.O. No.:	Not Available
Sample Location:	MO-950 Potential Asbestos
Sample Type:	Bulk
Method Reference:	EPA-600/R-93/116
DCL Set ID No.:	07-A-4709
DCL Sample ID No.:	07-27149 through 07-27152
Sample Receipt Date:	8/23/07
Analysis Date:	8/23/07

We certify that the following samples were prepared and analyzed by Polarized Light Microscopy for asbestos and other fibrous constituents using EPA-600/R-93/116. The samples were acceptable upon receipt except where noted. The samples were examined under a stereomicroscope in a laboratory fume hood for general composition and phase separation. If needed, portions of the sample were removed and ground with a mortar and pestle before being mounted on a glass microscope slide. Mountings of representative portions of the material are prepared in one or more appropriate refractive index liquids (1.550, 1.605, 1.680) and examined by Polarized Light Microscopy*. Estimates of concentration are made on an area basis. The results of the analysis apply only to the materials analyzed and are summarized on the attached bulk asbestos analysis data sheets. DataChem Laboratories will dispose of all bulk samples after 60 days unless other arrangements are made.


Shawn Smythe
Analyst


Anna Marie Ristich
Reviewer

*Floor tiles, decorative paints, joint compounds, and cement materials require additional treatment in order to evaluate the concentration of small asbestos fibers bound in the material. Some samples may contain fibers that are not visible by PLM and can only be detected by electron microscopy techniques. Floor tiles are analyzed as homogeneous materials if insufficient mastic is present or if phases have been cross contaminated.

DataChem Laboratories NVLAP Lab ID: 101917. Laboratory accreditation by the National Institute of Standards and Technology does not in any way constitute approval or endorsement by NVLAP, NIST, or any agency of the federal government..

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8/23/07

**DataChem Laboratories
Polarized Light Microscopy
Asbestos Analytical Report**


Client: Washington Closure Hanford
Location: MO-950 Potential Asbestos
Set ID: 07-A-4709

Client Sample ID:	J15HK0	J15HK1	J15HK2	J15HK3
DCL Sample ID:	07-27149	07-27150	07-27151	07-27152
Macroscopic Examination				
Accepted/Rejected:	Accepted	Accepted	Accepted	Accepted
Homogeneity:	Homog.	Homog.	Homog.	Homog.
Color:	Grey	Tan	Tan	Tan
Texture:	Resns/Fbrs	Fibrous	Fibrous	Fibrous
Description:	Material	Material	Material	Material
Analysis:	PLM	PLM	PLM	PLM
Asbestiform Minerals				
% Chrysotile:	>5 ≤ 10			
% Amosite:				
% Crocidolite:				
% Tremolite - Actinolite:				
% Anthophyllite:				
% Total Asbestos:	>5 ≤ 10	ND	ND	ND
Other Materials				
% Cellulose:		>80 ≤ 90	>80 ≤ 90	>80 ≤ 90
% Fiberglass:				
% Other Fibers:				
% Resin/Binder:	>20 ≤ 30			
% Non Fibrous:	>50 ≤ 60	>5 ≤ 10	>5 ≤ 10	>5 ≤ 10

ND = None Detected Trace = <1%

Special Prep Procedures: None.

*Notes: P. O. #: Not Available.


Shawn Smythe
Microscopist

All values are in area percent by visual estimate. The Federal Register Vol. 55 No. 224 Tuesday Nov. 20 1990 Rules and Regulations states "... If the asbestos content is estimated to be less than 10% by a method other than point counting,... (the analysis) be repeated using the point counting technique by PLM." Any of the above samples can be reanalyzed by point counting at the client's request. Wherever possible, separate phases are analyzed and reported individually.

Washington Closure Hanford		CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST						RC-006-147		Page	
Collector Amy Hood/Tom Edmundson		Company Contact J. Crocker		Telephone No. 376-4058		Project Coordinator KESSNER, JH		Price Code 9K		Data Turnarou.	
Project Designation 100-N Ancillary Facilities & 190-DR Other Solid Sampling f		Sampling Location MO-950 Potential Asbestos		SAF No. RC-006						7 Days <i>TRK 8/21/07 / Day</i>	
Ice Chest No. FED EX BOX		Field Logbook No. EL-1516-11		COA RD4MXX2F00		Method of Shipment Fed Ex					
Shipped To DataChem Laboratories - Cincinnati		Offsite Property No. A070305		Bill of Lading/Air Bill No. SEE OSPC							
POSSIBLE SAMPLE HAZARDS/REMARKS N/A Special Handling and/or Storage N/A				Preservation		None					
				Type of Container		G/P					
				No. of Container(s)		1					
				Volume		5g					
SAMPLE ANALYSIS 07-A-4709				Asbestos-BULK-EPA							
Sample No. 07-		Matrix *		Sample Date		Sample Time					
J15HK0 27149		OTHER SOLID		8-21-07		1430		✓			
J15HK1 27150		OTHER SOLID		8-21-07		1439		✓			
J15HK2 27151		OTHER SOLID		8-21-07		1446		✓			
J15HK3 27152		OTHER SOLID		8-21-07		1449		✓			
J15HK4		OTHER SOLID									
CHAIN OF POSSESSION				Sign/Print Names				SPECIAL INSTRUCTIONS Potential ACM <div style="text-align: center; font-size: 2em; margin-top: 20px;">RUSH</div> Sampler unavailable to relinquish samples from 3728 Ref # 3A. 3728 Custodian removed samples for shipping on 8/22/07.			
Relinquished By/Removed From		Date/Time		Received By/Stored In		Date/Time					
<i>JR Edmundson</i>		8-21-07 1630		3728#3A		8-21-07 1630					
Relinquished By/Removed From		Date/Time		Received By/Stored In		Date/Time					
3728#3A		8-22-07 0830		<i>W. Simpson</i>		8-22-07 0830					
Relinquished By/Removed From		Date/Time		Received By/Stored In		Date/Time					
<i>W. Simpson</i>		8-22-07 1504		FED EX							
Relinquished By/Removed From		Date/Time		Received By/Stored In		Date/Time					
<i>Paul J. ...</i>				<i>Paul J. ...</i>		8/23/07/0943					
Relinquished By/Removed From		Date/Time		Received By/Stored In		Date/Time					
Relinquished By/Removed From		Date/Time		Received By/Stored In		Date/Time					
LABORATORY SECTION		Received By		Title		Date/Time					
		<i>[Signature]</i>				8/23/07/0943					
FINAL SAMPLE DISPOSITION		Disposal Method		Disposed By		Date/Time					